



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0363/S, REVISION 4**

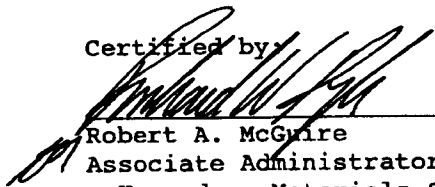
400 Seventh Street, S.W.
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - Amersham Corporation Capsule Code X38/4.
2. Source Description - This source is an inert gas welded cylindrical double encapsulation constructed of 316L stainless steel and has maximum dimensions of 12.83 mm (0.51 in) in diameter by 19.1 mm (0.75 in) in length. Source construction must be in accordance with the attached Amersham Corporation Drawing No. 3A61759, Issue B, Model No. MS1028, dated 15-4-93.
3. Radioactive Contents - Not more than 0.37 TBq (10 Ci) of Cs-137 in a glass ceramic bead or pellet.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires February 28, 2006.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated February 16, 2001 submitted by AEA Technology QSA Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified by


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

MAR - 2 2001

(DATE)

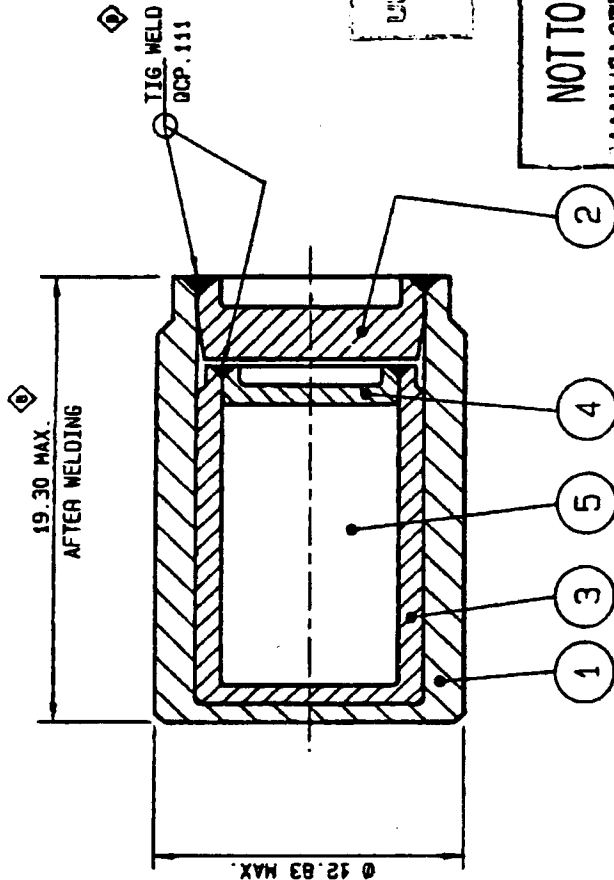
Revision 4 - Issued to extend the expiration date.

1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

Third Angle Projection This drawing conforms to BS 308	This drawing is the private and confidential property of Amersham International plc. and must not be loaned copied or reproduced without written permission.	Item No	Drawing No	Description	No
		1	3A62539	SHEATH BODY	STAIN.STL.
		2	3A61757	SHEATH LID	STAIN.STL.
		3	3A61758	ITEM. 1	CELL BODY X1165 STAIN.STL.
		4	3A61758	ITEM. 2	CELL LID X1165 STAIN.STL.
		5		ACTIVE MATERIAL	

ENGRAVE TO OCP. 114



ACTUAL SIZE

NOT TO BE USED FOR
MANUFACTURING PURPOSES

REFERS TO FEATURES AMENDED AT ISSUE SHOWN.

Material & Spec.	Tolerances	Surface Texture	Finish	Approval: This drawing is not to be used for any purpose unless signed or approved	Issue	MS1028	15-4-93	M.A.	124	Checked	DA app
	Unless stated	✓ Unless stated	Remove all burrs	Title							
ASSEMBLY OF CAPSULE X38/4											
Original Scale 5/1 Do not scale	Dim. in millimetres	Used on	© Amersham Amersham International plc. Amersham UK								
Dwg. 3A61759											